

WHAT IS CLAIMED IS:

1. A method comprising:
loading an optical media image containing operating system code into random access memory (RAM), the optical media image being in an optical media format and representing optical media content from a physical optical media source;
accessing the optical media image in the optical media format via a RAM disk program to emulate the optical media content on the physical optical media source.
2. A method as recited in claim 1 wherein the loading operation comprises copying optical media content from the physical optical media source.
3. A method as recited in claim 1 wherein the loading operation comprises requesting optical media content from a remote computer.
4. A method as recited in claim 1 wherein the loading operation comprises decompressing the optical media image.
5. A method as recited in claim 1 further comprising:

1 loading an image loader into RAM, the image loader retrieving optical
2 media content from the physical optical media source;
3 retrieving the optical media content from the physical optical media source;
4 storing the optical media content in RAM to create the optical media image.
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6 6. A method as recited in claim 1 further comprising initializing the
7 optical media image in RAM.
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10 7. A method as recited in claim 1 wherein the loading operation
11 comprises:
12 downloading a image loader from a first network boot server;
13 using the image loader to download the optical media image from either the
14 first network boot server or a second network boot server.
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17 8. A method as recited in claim 1 wherein the loading operation
18 comprises copying the optical media image from a hard disk.
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20 9. A method as recited in claim 1 wherein the loading operation
21 comprises copying the optical media image from a compact disc.
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10. A method as recited in claim 1 further comprising storing the optical media image on a hard disk prior to losing power to the RAM.

11. A method as recited in claim 1 wherein the loading operation comprises retrieving optical media content formatted in a universal disk format (UDF).

12. A method as recited in claim 1 wherein the loading operation comprises retrieving optical media content in a format based on an International Standards Organization (ISO) optical media format.

13. A method as recited in claim 1 further comprising launching an optical media file system driver operable to access a file structure in the optical media image.

14. A method as recited in claim 1 wherein the accessing operation comprises redirecting an access to a location on the physical optical media source to a corresponding location in the optical media image.

15. A method as recited in claim 1 further comprising creating a disk partition containing the optical media image.

16. A method comprising:
receiving a request for optical media content stored in an optical media
format and containing operating system code for booting a computer;
in response to receiving the request, enabling the computer to download the
optical media content.

17. A method as recited in claim 16, further comprising identifying an
operating system used by the computer based on information in the request.

18. A method as recited in claim 16 further comprising enabling the
computer to download an image loader operable to download the optical media
content.

19. A method as recited in claim 16 further comprising retrieving the
optical media content from a compact disk in response to receiving the request.

20. A method as recited in claim 16 further comprising storing the
optical media content in a universal disk format.

21. A method as recited in claim 16 further comprising compressing the
optical media content.

1 22. A computer program product encoding a computer program for
2 executing on a computer system a computer process, the computer process
3 comprising:
4 loading an optical media image into random access memory (RAM), the
5 optical media image being in an optical media format, the optical media image
6 representing optical media content from a physical optical media source;
7 emulating the physical optical media source using the optical media image.

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10 23. A computer program product as recited in claim 22 wherein the
11 emulating operation comprises accessing the optical media image with a RAM
12 disk program.

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14 24. A computer program product as recited in claim 22 wherein the
15 emulating operation comprises:
16 receiving a request to access a file at a location on the physical optical
17 media source;
18 determining a location in the optical media image corresponding to the
19 location of the file on the physical optical media source;
20 accessing the optical media image at the location in the optical media
21 image.
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25. A computer program product as recited in claim 22, the process further comprising loading a boot loader into RAM, the boot loader being operable to load the optical media image into RAM.

26. A computer program product as recited in claim 22 wherein the loading operation comprises requesting the optical media content from a remote computer.

27. A computer program product as recited in claim 22 wherein the loading operation comprises copying the optical media content from a compact disk.

28. A computer program product as recited in claim 22, the process further comprising decompressing the optical media content.

29. A computer program product as recited in claim 22 wherein the loading operation comprises copying the optical media content from a hard disk.

30. A computer program product as recited in claim 22 wherein the loading operation comprises copying the optical media content from a hard disk, the process further comprising:

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overwriting the optical media content on the hard disk;
copying the optical media image back to the hard disk prior to losing power .
to RAM.

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31. A system comprising:

an optical media image stored in random access memory (RAM), the optical media image being in an optical media format, and including operating system (OS) code executable by a microprocessor;

a RAM disk program operable to access the optical media image according to the optical media format.

32. A system as recited in claim 31 wherein the optical media format is a universal disk format.

33. A system as recited in claim 31 wherein the optical media image further includes an optical media file system.

34. A system as recited in claim 31 further comprising an optical media file system driver operable to manage files stored in the optical media image.

35. A system as recited in claim 31 further comprising a boot loader operable to load the optical media image into RAM.

36. A system as recited in claim 31 further comprising a boot loader operable to request optical media content from a remote optical media image

source and copy the optical media image into RAM to create a representation of
the optical media source.

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1 37. A system for booting a computer comprising:
2 an optical media image stored in a random access memory (RAM) and
3 including operating system (OS) code, the optical media image representing
4 optical media content on a physical optical media content source;
5 means for accessing the optical media image to cause the computer to boot.
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7 38. A system as recited in claim 37 wherein the means for accessing the
8 optical media image comprises a RAM disk program stored in the RAM.
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10 39 A system as recited in claim 37 wherein the means for accessing the
11 optical media comprises:
12 an optical media file system driver operable to determine a memory location
13 in the optical media image corresponding to a memory location in the optical
14 media content on the physical optical media content source;
15 a RAM disk program operable to access the memory location in the optical
16 media image.
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